

Julio C Guti  rrez-Vega

List of Publications by Year in descending order

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196
papers

4,969
citations

117625

34
h-index

95266

68
g-index

197
all docs

197
docs citations

197
times ranked

2077
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative formulation for invariant optical fields: Mathieu beams. <i>Optics Letters</i> , 2000, 25, 1493.	3.3	516
2	Ince-Gaussian beams. <i>Optics Letters</i> , 2004, 29, 144.	3.3	345
3	Parabolic nondiffracting optical wave fields. <i>Optics Letters</i> , 2004, 29, 44.	3.3	319
4	Airy-Gauss beams and their transformation by paraxial optical systems. <i>Optics Express</i> , 2007, 15, 16719.	3.4	247
5	Helmholtz-Gauss waves. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 289.	1.5	226
6	Computation of quasi-discrete Hankel transforms of integer order for propagating optical wave fields. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 53.	1.5	208
7	Ince-Gaussian modes of the paraxial wave equation and stable resonators. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 873.	1.5	184
8	Mathieu functions, a visual approach. <i>American Journal of Physics</i> , 2003, 71, 233-242.	0.7	176
9	Experimental demonstration of optical Mathieu beams. <i>Optics Communications</i> , 2001, 195, 35-40.	2.1	163
10	Observation of Ince-Gaussian modes in stable resonators. <i>Optics Letters</i> , 2004, 29, 1870.	3.3	138
11	Holographic generation and orbital angular momentum of high-order Mathieu beams. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002, 4, S52-S57.	1.4	135
12	Generation of helical Ince-Gaussian beams with a liquid-crystal display. <i>Optics Letters</i> , 2006, 31, 649.	3.3	120
13	Orbital angular momentum transfer in helical Mathieu beams. <i>Optics Express</i> , 2006, 14, 4182.	3.4	115
14	Circular beams. <i>Optics Letters</i> , 2008, 33, 177.	3.3	89
15	Elliptic vortices of electromagnetic wave fields. <i>Optics Letters</i> , 2001, 26, 1803.	3.3	85
16	Elliptically modulated self-trapped singular beams in nonlocal nonlinear media: ellipticons. <i>Optics Express</i> , 2007, 15, 18326.	3.4	81
17	Observation of parabolic nondiffracting optical fields. <i>Optics Express</i> , 2005, 13, 2364.	3.4	79
18	Nondiffracting vortex beams with continuous orbital angular momentum order dependence. <i>Journal of Optics</i> , 2008, 10, 015009.	1.5	74

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19	Observation of the experimental propagation properties of Helmholtz-Gauss beams. <i>Optical Engineering</i> , 2006, 45, 068001.	1.0	61
20	Pancharatnamâ€“Berry phase of optical systems. <i>Optics Letters</i> , 2011, 36, 1143.	3.3	61
21	Vector Helmholtzâ€“Gauss and vector Laplaceâ€“Gauss beams. <i>Optics Letters</i> , 2005, 30, 2155.	3.3	51
22	Cartesian beams. <i>Optics Letters</i> , 2007, 32, 3459.	3.3	49
23	Rytov theory for Helmholtz-Gauss beams in turbulent atmosphere. <i>Optics Express</i> , 2007, 15, 16328.	3.4	46
24	Higher-order complex source for elegant Laguerreâ€“Gaussian waves. <i>Optics Letters</i> , 2004, 29, 2213.	3.3	45
25	Inceâ€“Gaussian beams in a quadratic-index medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 306.	1.5	45
26	Generalized Helmholtz-Gauss beam and its transformation by paraxial optical systems. <i>Optics Letters</i> , 2006, 31, 2912.	3.3	43
27	Fractionalization of optical beams: II. Elegant Laguerreâ€“Gaussian modes. <i>Optics Express</i> , 2007, 15, 6300.	3.4	43
28	Besselâ€“Gauss resonator with spherical output mirror: geometrical- and wave-optics analysis. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003, 20, 2113.	1.5	42
29	Propagation of generalized vector Helmholtz-Gauss beams through paraxial optical systems. <i>Optics Express</i> , 2006, 14, 8974.	3.4	42
30	Elliptical beams. <i>Optics Express</i> , 2008, 16, 21087.	3.4	41
31	Optical forces on a Mie spheroidal particle arbitrarily oriented in a counterpropagating trap. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2109.	2.1	41
32	Inceâ€“Gaussian series representation of the two-dimensional fractional Fourier transform. <i>Optics Letters</i> , 2005, 30, 540.	3.3	40
33	Fiber based optical trapping of aerosols. <i>Optics Express</i> , 2008, 16, 14550.	3.4	37
34	Generation of Mathieu-Gauss modes with an axicon-based laser resonator. <i>Optics Express</i> , 2008, 16, 18770.	3.4	37
35	The generation of nondiffracting beams using inexpensive computer-generated holograms. <i>American Journal of Physics</i> , 2007, 75, 36-42.	0.7	32
36	General formula to design a freeform singlet free of spherical aberration and astigmatism. <i>Applied Optics</i> , 2019, 58, 1010.	1.8	32

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37	On-demand tailored vector beams. <i>Applied Optics</i> , 2017, 56, 6967.	1.8	30
38	Fractionalization of optical beams: I Planar analysis. <i>Optics Letters</i> , 2007, 32, 1521.	3.3	28
39	Normalization of the Mathieu-Gauss optical beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 215.	1.5	27
40	Propagation. <i>Optics and Photonics News</i> , 2004, 15, 36.	0.5	26
41	Observation of non-diffracting behavior at the single-photon level. <i>Optics Express</i> , 2012, 20, 29761.	3.4	26
42	Theory of the unstable Bessel resonator. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 1909.	1.5	25
43	Production of high-order Bessel beams with a Mach-Zehnder interferometer. <i>Applied Optics</i> , 2004, 43, 5060.	2.1	24
44	Phase dynamics of continuous topological upconversion in vortex beams. <i>Optics Express</i> , 2008, 16, 11411.	3.4	24
45	Diffraction of plane waves by finite-radius spiral phase plates of integer and fractional topological charge. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 794.	1.5	24
46	Geometrical optics calculation of forces and torques produced by a ringed beam on a prolate spheroid. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 1651.	2.1	24
47	Vortex structure of elegant Laguerre-Gaussian beams of fractional order. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 2395.	1.5	24
48	Stable solitons in elliptical photonic lattices. <i>Optics Letters</i> , 2008, 33, 2785.	3.3	22
49	Generation of arbitrary complex quasi-non-diffracting optical patterns. <i>Optics Express</i> , 2013, 21, 22221.	3.4	20
50	Generalization of the axicon shape: the gaxicon. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1915.	1.5	20
51	Focusing evolution of generalized propagation invariant optical fields. <i>Journal of Optics</i> , 2003, 5, 276-282.	1.5	19
52	Dynamics of polarization singularities in composite optical vortices. <i>Journal of Optics (United Kingdom)</i> , 2017, 17, 170101.	2.2	17
53	Geometric phase morphology of Jones matrices. <i>Optics Letters</i> , 2017, 42, 2667.	3.3	17
54	Attenuation characteristics in confocal annular elliptic waveguides and resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002, 50, 1095-1100.	4.6	16

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55	Direct detection of optical phase conjugation in a colloidal medium. Optics Express, 2007, 15, 6330.	3.4	16
56	Shaping optical beams with non-integer orbital-angular momentum: a generalized differential operator approach. Optics Letters, 2015, 40, 1764.	3.3	16
57	Polarization singularities in nondiffracting Mathieu-Poincaré beams. Journal of Optics (United Kingdom), 2014, 16, 078431.	2.2	16
58	Exact equations for stigmatic singlet design meeting the Abbe sine condition. Optics Communications, 2021, 479, 126415.	2.1	15
59	Classical solutions for a free particle in a confocal elliptic billiard. American Journal of Physics, 2004, 72, 810-817.	0.7	14
60	Singlet lens for generating aberration-free patterns on deformed surfaces. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 925.	1.5	14
61	Self-trapped modes in highly nonlocal nonlinear media. Physical Review A, 2007, 76, .	2.5	12
62	Tunneling phenomena in the open elliptic quantum billiard. Physical Review E, 2012, 86, 016210.	2.1	12
63	Optical phase of inhomogeneous Jones matrices: retardance and ortho-transmission states. Optics Letters, 2020, 45, 1639.	3.3	12
64	Propagation of Whittaker-Gaussian beams. Proceedings of SPIE, 2009, , .	0.8	11
65	Higher-order moments and overlaps of rotationally symmetric beams. Journal of Optics (United Kingdom), 2014, 16, 078431.	2.2	11
66	Engineering of nondiffracting beams with genetic algorithms. Optics Letters, 2012, 37, 5040.	3.3	11
67	Manipulation of dielectric particles with nondiffracting parabolic beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2759.	1.5	11
68	Orbital angular momentum transfer in helical Mathieu beams. Optics Express, 2006, 14, 4183.	3.4	10
69	Characterization of elliptic dark hollow beams. , 2008, , .		10
70	Generation of rotary beams by interaction of moving solitons in nonlocal media. Physical Review A, 2014, 90, .	2.5	10
71	Propagation of Helmholtz-Gauss beams in absorbing and gain media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1994.	1.5	9
72	Focal shift in vector Mathieu-Gauss beams. Optics Express, 2008, 16, 5838.	3.4	8

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73	Analytic solution of the eikonal for a stigmatic singlet lens. <i>Physica Scripta</i> , 2020, 95, 085201.	2.5	8
74	New Member in the Family of Propagation-Invariant Optical Fields: Mathieu Beams. <i>Optics and Photonics News</i> , 2000, 11, 37.	0.5	7
75	Propagation dynamics of Helical Hermite-Gaussian beams. , 2007, , .		7
76	Higher-order moments and overlaps of Cartesian beams. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 065702.	2.2	7
77	Derivatives of elegant Laguerre-Gaussian beams: vortex structure and orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 125709.	2.2	7
78	Optical flow of non-integer order in particle image velocimetry techniques. <i>Signal Processing</i> , 2019, 155, 317-322.	3.7	7
79	Analytic aplanatic singlet lens: setting and design for three-point objects and images in the meridional plane. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	7
80	General formula to eliminate spherical aberration produced by an arbitrary number of lenses. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	7
81	Observation of optical guiding using thermal light. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 075702.	2.2	6
82	Orbital angular momentum of optical vortices from power measurements and the cross-correlation function. <i>Optics Letters</i> , 2014, 39, 1929.	3.3	6
83	Wavefront reconstruction of vortex beams via a simplified transport of intensity equation and its symmetry based error reduction. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 015602.	2.2	6
84	General stigmatic surfaces. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 298.	1.5	6
85	Analytic formulation of a refractive-reflective telescope free of spherical aberration. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	6
86	Construction and characterization of a CO ₂ axicon-based Bessel-Gauss resonator. , 2005, 5708, 323.		5
87	Helical Mathieu and parabolic localized pulses. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3449.	1.5	5
88	Mode structure and attenuation characteristics of hollow parabolic waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2273.	2.1	5
89	Propagation characteristics of Cartesian Parabolic-Gaussian beams. , 2010, , .		5
90	Fractional Ince equation with a Riemann-Liouville fractional derivative. <i>Applied Mathematics and Computation</i> , 2013, 219, 10695-10705.	2.2	5

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91	Defective Jones matrices: geometric phase and passivity condition. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2586.	2.1	5
92	Morphological transformation of generalized spirally polarized beams by anisotropic media and its experimental characterization. Optics Express, 2019, 27, 33412.	3.4	5
93	Generation of light beams with custom orbital angular momentum and tunable transverse intensity symmetries. Optics Express, 2019, 27, 26155.	3.4	5
94	Formation of Ince-Gaussian modes in a stable laser oscillator. , 2005, , .		4
95	Generalized Ince Gaussian beams. , 2006, , .		4
96	Unwound vortex beam shaping. , 2007, , .		4
97	Soliton dynamics in modulated Bessel photonic lattices. Physical Review A, 2010, 82, .	2.5	4
98	Engineering parabolic beams with dynamic intensity profiles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1476.	1.5	4
99	Scalar wave scattering in spherical cavity resonator with conical channels. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 246.	1.5	4
100	Measurement of orbital angular momentum with an off-axis superposition of vector modes. Journal of Optics (United Kingdom), 2014, 16, 045702.	2.2	4
101	A Hankel transform distribution algorithm for paraxial wavefields with an application to free-space optical beam propagation. Journal of Optics (United Kingdom), 2016, 18, 095605.	2.2	4
102	Exact equations to design a stigmatic singlet that meets the Herschel's condition. Optics Communications, 2021, 485, 126727.	2.1	4
103	How inhomogeneous can an inhomogeneous Jones matrix be?. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 974.	1.5	4
104	Analytic design of a spherochromatic singlet. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 149.	1.5	4
105	Boundaryless finite-difference method for three-dimensional beam propagation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 866.	1.5	3
106	Generation of helical Ince-Gaussian beams: beam-shaping with a liquid crystal display. , 2006, , .		3
107	Optical forces on a spheroidal microparticle using a classical optics approximation. Proceedings of SPIE, 2009, , .	0.8	3
108	Adaptive boundaryless finite-difference method. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 259.	1.5	3

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109	Soliton dynamics in finite nonlocal media with cylindrical symmetry. <i>Physical Review A</i> , 2019, 99, .	2.5	3
110	A transition integral transform obtained from generalization of the Fourier transform. <i>Ain Shams Engineering Journal</i> , 2019, 10, 841-845.	6.1	3
111	The field of values of Jones matrices: classification and special cases. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200361.	2.1	3
112	Pancharatnam's Berry phase algorithm to calculate the area of arbitrary polygons on the Poincaré sphere. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 925.	1.5	3
113	Vortex beam shaping. , 2006, , .		2
114	Numerical calculation of arbitrary Helmholtz-Gauss beams. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
115	Measuring topological charge using Stokes parameters. , 2013, , .		2
116	Periodic Solutions, Eigenvalue Curves, and Degeneracy of the Fractional Mathieu Equation. <i>Journal of Physics: Conference Series</i> , 2016, 698, 012005.	0.4	2
117	Bidirectional wavefront transfer function lens. <i>Optics Communications</i> , 2021, 498, 127215.	2.1	2
118	General formula for aspheric collimator lens design free of spherical aberration. , 2019, , .		2
119	Uniqueness of stigmatic solutions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 1832.	1.5	2
120	Analytic formulation of a spherochromatic collimator lens. , 2020, , .		2
121	Elliptic propagation invariant optical fields: Mathieu beams. , 2003, , .		1
122	Two-dimensional Fourier transform of scaled Dirac delta curves. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 1682.	1.5	1
123	Observation of the angular momentum transfer in the Mie regime using Mathieu beams. , 2005, 5930, 468.		1
124	Characterization of Helmholtz-Gauss beams. , 2005, , .		1
125	Coupled mode competition in unstable resonators using the exact cavity equations of motion with dynamic gain. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, 253-263.	1.4	1
126	Comment on 'Exact solution of resonant modes in a rectangular resonator'. <i>Optics Letters</i> , 2006, 31, 2468.	3.3	1

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127	Experimental synthesis of general complex fields using an amplitude modulator. , 2006, 6311, 110.		1
128	Focal shift in vector Mathieu-Gauss beams. , 2007, , .		1
129	Analysis of eigenfields in the axicon-based Bessel-Gauss resonator by the transfer-matrix method: comment. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1209.	1.5	1
130	Complex scalar fields using amplitude-only spatial light modulators. Proceedings of SPIE, 2008, , .	0.8	1
131	Freeform axicon with azimuthal variation. Journal of Modern Optics, 2020, 67, 1170-1175.	1.3	1
132	Analytic equations to design optical systems with three stigmatic pairs in the meridional plane. Optical Engineering, 2021, 60, .	1.0	1
133	Floquetâ€“Bloch eigenwaves and bandgaps in a di-periodic potential. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2742.	2.1	1
134	General formula to design a freeform singlet free of spherical aberration and astigmatism: reply. Applied Optics, 2020, 59, 3425.	1.8	1
135	The entrance pupil of an on-axis stigmatic singlet lens. , 2020, , .		1
136	Geometric phase of dielectric multilayers. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3170.	2.1	1
137	Classical and quantum confocal parabolic billiards. American Journal of Physics, 2021, 89, 1113-1122.	0.7	1
138	New class of nondiffracting beams: Mathieu beams. , 2001, , .		0
139	<title>Bessel-Gauss laser resonators</title>. , 2001, , .		0
140	Parabolic propagation-invariant optical beams. , 0, , .		0
141	Quasi-discrete Hankel transform of integer order for wave propagation. , 2004, , .		0
142	Experimental verification of parabolic nondiffracting beams. , 2004, , .		0
143	High-order Bessel beam generation using a Mach-Zehnder interferometer. , 2004, , .		0
144	Two-dimensional boundary-less optical field propagation. , 2005, 5867, 369.		0

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145	Modeling of transverse-mode competition in unstable resonators with large discharge current using the exact cavity equations of motion with dynamic gain. , 2005, 5708, 32.		0
146	Dynamics of vortices in new families of nondiffracting beams. Proceedings of SPIE, 2005, , .	0.8	0
147	Wave and geometrical analysis of the unstable Bessel resonator. , 2005, , .		0
148	Application of the two-dimensional Fourier transform scaling theorem to Dirac delta curves. , 2005, , .		0
149	Numerical analysis of the mode competition in high-gain unstable resonators using the exact cavity equations of motion with dynamic gain. , 2005, , .		0
150	Ince-Gaussian two-dimensional fractional Fourier transform for optical wave propagation. , 2005, , .		0
151	Scalar representation of paraxial and nonparaxial laser beams. , 2005, , .		0
152	Holographic generation of Helmholtz-Gauss beams. , 0, , .		0
153	Propagation of Helmholtz-Gauss Beams Through ABCD Optical Systems. , 2006, , FThG2.		0
154	The Goos-Hanchen shift in Helmholtz-Gauss beams. , 2006, 6290, 293.		0
155	Propagation dynamics of vector Mathieu-Gauss beams. , 2006, 6290, 305.		0
156	Phase conjugation and four-wave mixing in a colloidal medium. , 2006, , .		0
157	Propagation of focused vector Helmholtz-Gauss Beams. , 2006, , JWD2.		0
158	Observation of Mathieu-Gauss beams in axicon-based resonator. , 2007, , .		0
159	Characterization of higher-order Mathieu X-waves in the optical domain. Proceedings of SPIE, 2007, , .	0.8	0
160	Nonazimuthally symmetric localized pulses in the optical domain. , 2007, , .		0
161	Propagation of Helmholtz-Gauss beams in turbulent media. , 2007, , .		0
162	Comment on "Eigenfields and output beams of an unstable Bessel-Gauss resonator". Applied Optics, 2007, 46, 1139.	2.1	0

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163	Characterization of elliptic dark hollow optical beams. , 2008, , .		0
164	Dynamics of airborne tweezing. , 2008, , .		0
165	Accurate phase mapping of nondiffracting singular beams. , 2008, , .		0
166	Focal shift effect in vector parabolic-Gauss beams. Proceedings of SPIE, 2008, , .	0.8	0
167	Rotary solitons in elliptical photonic lattices. Proceedings of SPIE, 2009, , .	0.8	0
168	Diffraction of plane waves by apodized finite-radius spiral phase plates of integer and fractional topological charge. Proceedings of SPIE, 2009, , .	0.8	0
169	Shaping a Bessel optical lattice for soliton propagation. , 2010, , .		0
170	Dynamic parabolic optical lattice. , 2011, , .		0
171	On nonplanar radon transforms for weakly absorbing gradient-index media. Proceedings of SPIE, 2011, , .	0.8	0
172	A particle-like model for soliton propagation in optical lattices. , 2011, , .		0
173	Visualization of optical fields with ellipsoidal geometry. , 2012, , .		0
174	Electromagnetic scattering in the open elliptic quantum billiard. , 2012, , .		0
175	Shaping quasinondiffracting beams using a circular Radon transform. , 2012, , .		0
176	Optical fields with tunable transverse intensity fluxes arranged over a semi-circle. Proceedings of SPIE, 2013, , .	0.8	0
177	Generation of photon pairs, triplets, and non-diffracting single photons. , 2013, , .		0
178	Quasi-one-dimensional optical lattices for soliton manipulation. Optics Letters, 2014, 39, 6545.	3.3	0
179	Cross-correlation measurements and the topological charge of a Laguerre-Gaussian beam. , 2014, , .		0
180	Creation operators for Cartesian and circular beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 832.	1.5	0

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181	Shaping nondiffracting beams with a differential operator approach. Proceedings of SPIE, 2016, , .	0.8	0
182	Shaping Bessel beams with a generalized differential operator approach. Journal of Optics (United Kingdom), 2012, 15, 022502. doi:10.1088/1545-6709/15/2/022502	2.2	10
183	Robertson's Schrödinger uncertainty relation for qubits: a visual approach. European Journal of Physics, 2021, 42, 035401.	0.6	0
184	Ince-Gaussian Modes of Stable Laser Resonators. , 2004, , .		0
185	Propagation characteristics of the vector Helmholtz-Gauss optical beams. , 2005, , .		0
186	Beamshaping generation of Hermite, Laguerre, and Ince Gaussian beams with a liquid crystal display. , 2006, , .		0
187	Helmholtz-Gauss Beams in Homogeneous Media with Complex Index of Refraction. , 2006, , .		0
188	Observation of non-diffracting behavior at the single-photon level. , 2013, , .		0
189	Rotary beams generated by tilted solitons in nonlocal media. , 2014, , .		0
190	Quasi one-dimensional nondiffracting beams for soliton manipulation. , 2014, , .		0
191	Generation of arbitrary vector beams. , 2017, , .		0
192	Analysis of the geometric phase produced by homogeneous and inhomogeneous Jones matrices for applications in space-variant polarized beams. , 2017, , .		0
193	General formula to design freeform collimator lens free of spherical aberration and astigmatism. , 2019, , .		0
194	General formula of the refractive telescope design free spherical aberration. , 2019, , .		0
195	Optical phase of arbitrary non-orthogonal Jones matrices. , 2020, , .		0
196	Characterization of Elliptic Dark Hollow Beams. , 0, , 57-76.		0